

D2 2. (Twice amended) The filter cartridge as described in claim 1, wherein the thermoplastic fiber constituting the spun bonded non-woven fabric is a thermally adhesive composite fiber comprising a low melting point resin and a high melting point resin, the difference in a melting point of both the resins being 10°C or more.

4. (Twice amended) The filter cartridge as described in claim 1, wherein the spun bonded non-woven fabric is bonded by thermal compression by means of a heat embossing roll.

5. (Twice amended) The filter cartridge as described in claim 2, wherein the fiber intersections of the spun bonded non-woven fabric are bonded by hot blast.

D3 6. (Twice amended) The filter cartridge as described in claim 1, wherein the strip, spun bonded non-woven fabric is twisted.

7. (Twice amended) The filter cartridge as described in claim 1, wherein the strip, spun bonded non-woven fabric is formed into a pleated matter having 4 to 50 pleats and wound around a perforated cylinder in a twill form.

D4 11. (Twice amended) The filter cartridge as described in claim 1, wherein the spun bonded non-woven fabric has a slit width of 0.5 cm or more, and a product of the slit width (cm) and the basis weight (g/m^2) is 200 or less.

D5 16. (New) The filter cartridge as described in claim 1, wherein the spun bonded non-woven fabric is bonded by thermal compression by means of a heat flat calendar roll.